

FIG. 1

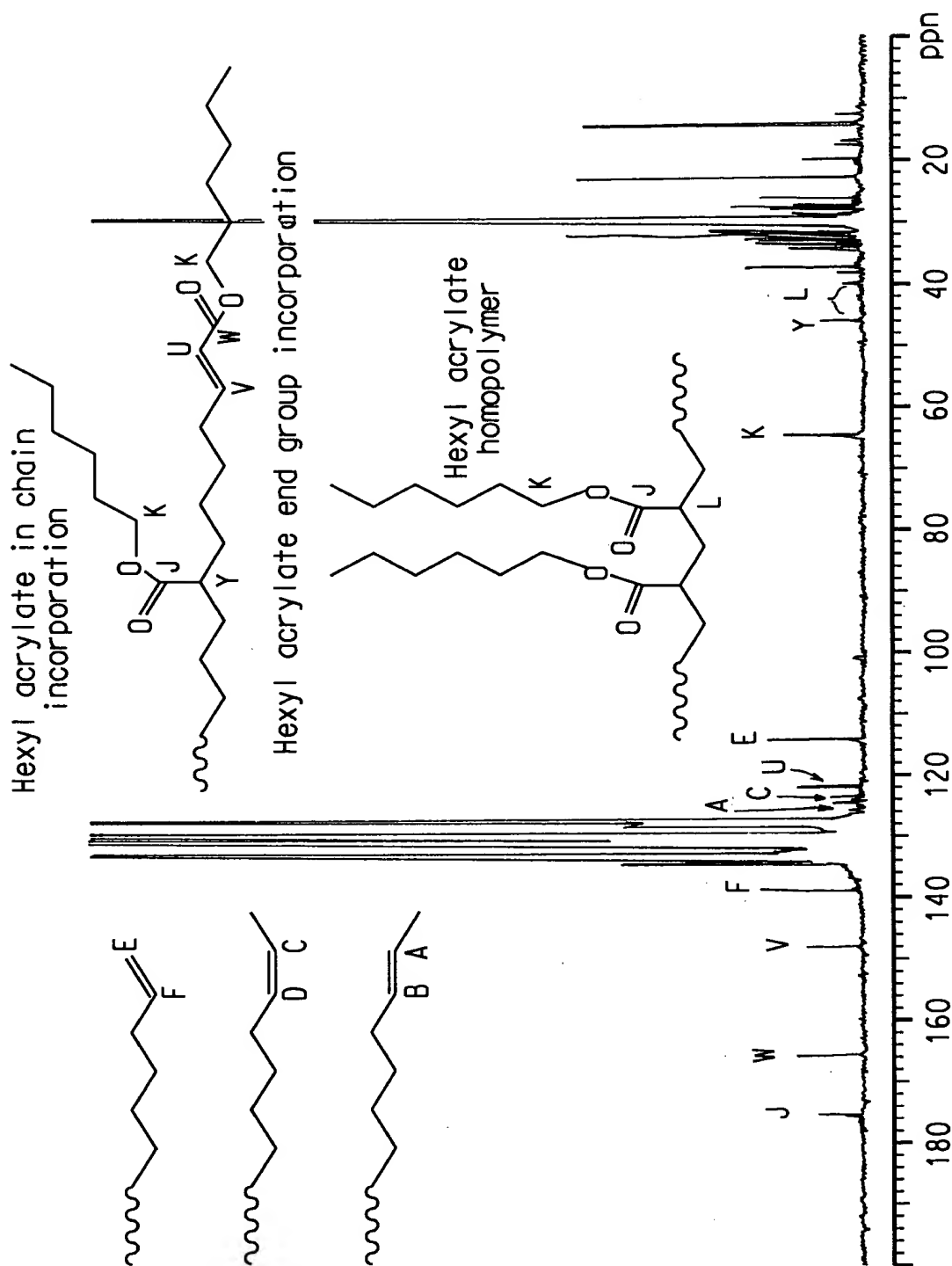


FIG. 2



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Mole % Calculations

$$\begin{aligned}
 \text{MA} &= \frac{\text{comonomer} + \text{ends}}{\text{comonomer} + \text{ends} + \text{ethylene}} \\
 \text{Ethylene} &= \frac{\text{ethylene}}{\text{comonomer} + \text{ends} + \text{ethylene}} \quad \text{OR} \\
 \text{MA comonomer} &= \frac{\text{comonomer} + \text{ends}}{\text{comonomer} + \text{ends} + \text{homopolymer} + \text{ethylene}} \\
 \text{MA homopolymer} &= \frac{\text{homopolymer}}{\text{comonomer} + \text{ends} + \text{homopolymer} + \text{ethylene}} \\
 \text{Ethylene} &= \frac{\text{ethylene}}{\text{comonomer} + \text{ends} + \text{homopolymer} + \text{ethylene}}
 \end{aligned}$$

Methyl Acrylate comonomer = Y peak
 Methyl Acrylate vinyl end = V
 Ethylene = $([10-40 \text{ ppm}] - J)/2$
 Methyl Acrylate homopolymer = J-Y

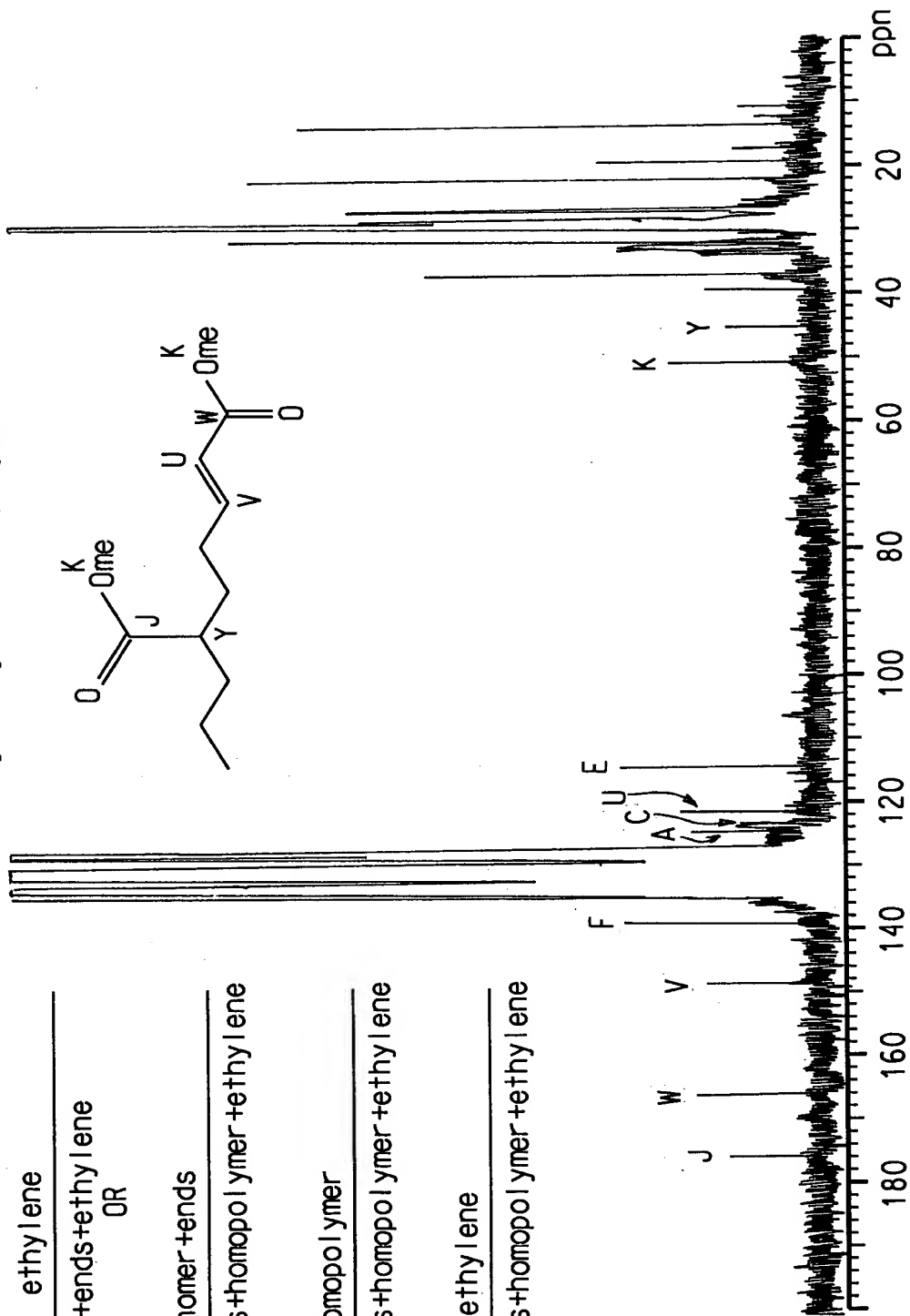
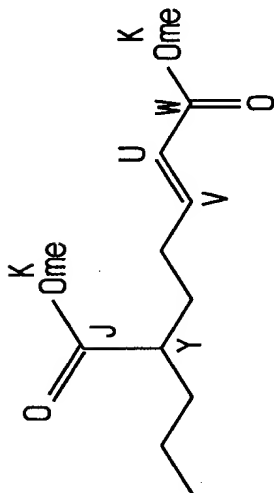


FIG. 3